CW#77/CW#78: Special Right Triangles Review Pt I

Geometry

Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ TP:\_\_\_\_\_

Warm-Up Questions

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| Directions: For each problem below, state what type of special right triangle it is and find the missing side lengths.  ../../../../../Desktop/Screen%20Shot%202016-02-07%20at%206.18.01%20PM |

Bronze

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| Directions: For each problem below, state what type of special right triangle it is and find the missing side lengths. | | |
| 1. ../../../Desktop/Screen%20Shot%202016-02-07%20at%206.20.29%20PM.png | ../../../Desktop/Screen%20Shot%202016-02-07%20at%206.20.32%20PM.png2. | ../../../Desktop/Screen%20Shot%202016-02-07%20at%206.20.36%20PM.png3. |
| ../../../Desktop/Screen%20Shot%202016-02-07%20at%206.16.25%20PM.png  8.  13.  12.  11.  10.  7.  6.  5.  4. | | |

Silver

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| Directions for 14-16: Sketch the figure that is described. Find the requested length and leave it in simplified radical form. | | |
| 14. The side length of an equilateral triangle is 5 centimeters. Find the length of an altitude of the triangle. | | |
| 15. The perimeter of a square if 36 inches. Find the length of a diagonal. | | |
| 16. The Diagonal of a square if 26 inches. Find the length of the side. | | |
| Directions for 17-19: Find the area of the figure. Leave answers in radical form. | | |
| 17.  ../../../../../Desktop/Screen%20Shot%202016-02-07%20at%206.42.48%20PM | 18.  ../../../../../Desktop/Screen%20Shot%202016-02-07%20at%206.42.52%20PM | 19.  ../../../../../Desktop/Screen%20Shot%202016-02-07%20at%206.42.55%20PM |
| ../../../../../Desktop/Screen%20Shot%202016-02-07%20at%206.44.36%20PM20. | | |
| 21.  ../../../../../Desktop/Screen%20Shot%202016-02-07%20at%206.46.12%20PM | | |

Gold

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| ../../../../../Desktop/Screen%20Shot%202016-02-07%20at%206.54.41%20PM22. | | | |
| 23. Label all missing sides and angles. | | 24. Label all missing sides and angles.    12 | |
| Directions: Use the diagram to tell whether the equation is *True* or *False*. Write at least 1 sentence of reasoning/evidence to support your claim. Sentences must be complete, make logical sense, and correctly support the claim you are making. | | | |
| 14.  16.  18. | 15.  17.    19. | | ../../../../../Desktop/Screen%20Shot%202016-02-07%20at%206.16.11%20PM |